

CONTENTS—1978, Nos. 1-4

| | |
|--|-----|
| ADEST, GARY (see Bellemin, Jeanne) | |
| ALEKSIUK, MICHAEL (see Bellemin, Jeanne) | |
| ALLEN, DONALD M. Body size and porphyropsin visual pigment in a cyprinid | 181 |
| ALLEN, GERALD R., MARIE-LOUISE BAUCHOT AND MARTINE DESOUTTER. The status of <i>Abudefduf sexfasciatus</i> (Lacépède), a pomacentrid fish from the Indo-West Pacific | 328 |
| ANDRÉN, C. (see Nilson, G.) | |
| ANDRIASHEV, A. P., AND DON E. McALLISTER. Status of the presumed zoarcid fish <i>Ophidium parrii</i> and its identity with <i>Liparis koefoedi</i> , Liparidae | 710 |
| ATKINSON, EDUARDO, AND FRANK W. JUDD. Comparative hematology of <i>Lepomis microlophus</i> and <i>Cichlasoma cyanoguttatum</i> | 230 |
| AWBREY, FRANK T. Social interaction among chorusing Pacific tree frogs, <i>Hyla regilla</i> .. | 208 |
| BACHMANN, K., AND M. NISHIOKA. Genome size and nuclear size in Palaearctic frogs (<i>Rana</i>) .. | 225 |
| BAKER-DITTS, ANNE M. Foraging patterns of three sympatric killifish | 383 |
| BAKRADZE, M. A. (see Darevsky, I. S.) | |
| BALL, KENT W. (see Wallace, Richard L.) | |
| BARNARD, SUSAN M. (see Van Mierop, L. H. S.) | |
| BAUCHOT, MARIE-LOUISE (see Allen, Gerald R.) | |
| BECHTEL, ELIZABETH (see Bechtel, H. Bernard) | |
| BECHTEL, H. BERNARD, AND ELIZABETH BECHTEL. Heredity of pattern mutation in the corn snake, <i>Elaphe g. guttata</i> , demonstrated in captive breedings | 719 |
| BECK, ANDREW P. (see Rachlin, Joseph W.) | |
| BELLEMIN, JEANNE, GARY ADEST, GEORGE C. GORMAN AND MICHAEL ALEKSIUK. Genetic uniformity in northern populations of <i>Thamnophis sirtalis</i> (Serpentes: Colubridae) | 150 |
| BIRD, PATRICIA M. Tissue regeneration in three carcharhinid sharks encircled by embedded straps | 345 |
| BISHOP, JAMES M., AND JOHN V. MIGLARESE. Carnivorous feeding in adult striped mullet .. | 705 |
| BLACK, ANN, AND W. MIKE HOWELL. A distinctive chromosomal race of the cyprinodontid fish, <i>Fundulus notatus</i> , from the upper Tombigbee River system of Alabama and Mississippi | 280 |
| BRIGGS, THOMAS (see Bussjaeger, Carolée) | |
| BRINDLEY, DARLENE C. (see Cannon, M. S.) | |
| BRODIE, JR., EDMUND D. Biting and vocalization as antipredator mechanisms in terrestrial salamanders | 127 |
| BRODIE, JR., EDMUND D. (see Nowak, Robert T.) | |
| BRUCE, RICHARD C. Reproductive biology of the salamander <i>Pseudotriton ruber</i> in the southern Blue Ridge Mountains | 417 |
| BURGESS, WARREN E. (see Powles, Howard) | |
| BURR, BROOKS M. (see Buth, Donald G.) | |
| BUSSJAEGER, CAROLÉE, AND THOMAS BRIGGS. Phylogenetic implications of bile salts in some catostomid fishes | 533 |
| BUTH, DONALD G., AND BROOKS M. BURR. Isozyme variability in the cyprinid genus <i>Campostoma</i> | 298 |
| CANNON, M. S., MANLEY MCGILL AND DARLENE C. BRINDLEY. The ultrastructural localization of glucose-6-phosphatase in the parotoid gland of <i>Bufo alvarius</i> | 715 |
| CARROLL, THOMAS E., AND DAVID W. EHRENFELD. Intermediate-range homing in the wood turtle, <i>Clemmys insculpta</i> | 117 |
| CASE, SUSAN M. Electrophoretic variation in two species of ranid frogs, <i>Rana boylei</i> and <i>R. muscosa</i> | 311 |
| CASTEEL, RICHARD W. <i>Damalichthys saratogenesis</i> : a new freshwater fish (Embiotocidae) from the Plio-Pleistocene (Blancan) of California | 293 |
| CASTLE, P. H. J. Ovipigerous leptocephali of the nettastomatid eel genus <i>Facciolella</i> | 29 |
| CHAPMAN, ROBERT W. Observations of spawning behavior in Atlantic spadefish, <i>Chaetodipterus faber</i> | 336 |
| CLOUTMAN, DONALD G. (see Harrell, Raymond D.) | |
| COAD, BRIAN W., AND S. U. QADRI. Status of the generic name <i>Endemichthys</i> (Osteichthyes) | 330 |
| CONGDON, JUSTIN D., WILLIAM W. KING AND KENNETH A. NAGY. Validation of the HTO-18 method for determination of CO ₂ production of lizards (genus <i>Sceloporus</i>) | 360 |
| COSENTINO, KATHY (see Werner, Henry James) | |
| CRUMP, MARTHA L. (see Kaplan, Robert H.) | |
| CURD, MILTON R. (see Grizzle, John M.) | |
| CYRUS, RODNEY V., I. Y. MAHMOUD AND JOHN KLIKA. Fine structure of the corpus luteum of the snapping turtle, <i>Chelydra serpentina</i> | 622 |
| DANIELS, ROBERT A., AND PETER B. MOYLE. Biology, distribution and status of <i>Cottus asperimus</i> in the Pit River drainage, northeastern California | 672 |
| DAREVSKY, I. S., L. A. KUPRIYANOVA AND M. A. BAKRADZE. Occasional males and intersexes in parthenogenetic species of Caucasian rock lizards (genus <i>Lacerta</i>) | 201 |

| | |
|--|-----|
| DAVITZ, MICHAEL A., AND KENNETH R. MCKAYE. Discrimination between horizontally and vertically polarized light by the cichlid fish <i>Pseudotropheus macropthalmus</i> | 333 |
| DAWSON, C. E. <i>Micrognathus vittatus</i> (Kaup), a junior synonym of <i>M. crinitus</i> (Jenyns), with description of the insular pipefish, <i>M. tectus</i> , new sp. | 13 |
| DAWSON, C. E. <i>Syngnathus parvicarinatus</i> , a new Australian pipefish, with notes on <i>S. sawagei</i> (Whitley) and <i>Leptonotus caretta</i> (Klunzinger) | 288 |
| DEMARTINI, EDWARD E. Apparent paternal care in <i>Liparis fucensis</i> (Pisces: Cyclopteridae) | 537 |
| DESOUTTER, MARTINE (see Allen, Gerald R.) | |
| DOBIE, JAMES L. A fossil amniote egg from an upper Cretaceous deposit (Mooreville chalk of the Selma group) in Alabama | 460 |
| DODSON, PETER (see Terpin, Kenneth M.) | |
| DUELLMAN, WILLIAM E. (see Trueb, Linda) | |
| ECHELLE, ALICE F., ANTHONY A. ECHELLE AND HENRY S. FITCH. Inter- and intraspecific allometry in a display organ: The dewlap of <i>Anolis</i> (Iguanidae) species | 245 |
| ECHELLE, ALICE F. (see Echelle, Anthony A.) (see Wiseman, E. David) | |
| ECHELLE, ANTHONY A., AND ALICE F. ECHELLE. The Pecos River pupfish, <i>Cyprinodon pecosensis</i> n. sp. (Cyprinodontidae), with comments on its evolutionary origin | 569 |
| ECHELLE, ANTHONY A. (see Echelle, Alice F.) (see Wiseman, E. David) | |
| EDWARDS, ROBERT J. (see Thompson, Kenneth W.) | |
| EHRENFELD, DAVID W. (see Carroll, Thomas E.) | |
| EISNER, THOMAS, TAPPLEY H. JONES, JERROLD MEINWALD AND JOHN M. LEGLER. Chemical composition of the odorous secretion of the Australian turtle, <i>Chelodina longicollis</i> | 714 |
| ESCH, GERALD W. (see Quinn, Thomas) | |
| FELLEY, JAMES D., AND MICHAEL H. SMITH. Phenotypic and genetic trends in bluegills of a single drainage | 175 |
| FIERSTINE, HARRY L. A new marlin, <i>Makaira panamensis</i> , from the late Miocene of Panama | 1 |
| FITCH, HENRY S. (see Echelle, Alice F.) | |
| FLETMEYER, JOHN R. Underwater tracking evidence of neonate loggerhead sea turtles seeking shelter in drifting sargassum | 148 |
| FOLEY, ROBERT E., AND JAMES R. SPOTILA. Effect of wind speed, air temperature, body size and vapor density difference on evaporative water loss from the turtle <i>Chrysemys scripta</i> | 627 |
| FOUQUETTE, JR., M. J. (see Mitchell, Joseph C.) | |
| GARDNER, ALFRED L. (see Rhodin, Anders G. J.) | |
| GIBBONS, J. WHITFIELD (see Quinn, Thomas) (see Semlitsch, Raymond D.) | |
| GILBERT, CARTER R. The nominal North American cyprinid fish <i>Notropis henryi</i> interpreted as an intergeneric hybrid, <i>Clinostomus funduloides</i> × <i>Nocomis leptcephalus</i> | 177 |
| GOLDBERG, STEPHEN R. Reproductive cycle of the white scaperch, <i>Phanerodon furcatus</i> (Embiotocidae) | 334 |
| GORMAN, GEORGE C. (see Bellemin, Jeanne) | |
| GRAHAM, TERRY E., AND VICTOR H. HUTCHISON. Locomotor activity in <i>Chrysemys picta</i> : Response to asynchronous cycles of temperature and photoperiod | 364 |
| GREENWALD, O. E. Kinematics and time relations of prey capture by gopher snakes | 263 |
| GRIZZLE, JOHN M., AND MILTON R. CURD. Posthatching histological development of the digestive system and swim bladder of logperch, <i>Percina caprodes</i> | 448 |
| GROBECKER, DAVID B. A new species of anglerfish, genus <i>Oncirodes</i> (Oncirodidae), from the Banda Sea | 567 |
| GROBECKER, DAVID B., AND THEODORE W. PIETSCH. Second specimen of the rare deep-sea anglerfish <i>Oncirodes macronema</i> (Oncirodidae) | 547 |
| GRONELL, ANN M. (see Thresher, Ronald E.) | |
| GUEST, W. CLELL, AND JAMES L. LASSWELL. A note on courtship behavior and sound production of red drum | 337 |
| HANLIN, HUGH G. Food habits of the greater siren, <i>Siren lacertina</i> , in an Alabama coastal plain pond | 358 |
| HARRELL, HERSEL L. Response of the Devil's River (Texas) fish community to flooding | 60 |
| HARRELL, RAYMOND D., AND DONALD G. CLOUTMAN. Distribution and life history of the sandbar shiner, <i>Notropis scepticus</i> (Pisces: Cyprinidae) | 443 |
| HARRIS, JOHN L. (see Robison, Henry W.) | |
| HAZEN, TERRY C. (see Quinn, Thomas) | |
| HEATWOLE, HAROLD (see Witten, Geoffrey J.) | |
| HICKS, DONALD C. A population of albino black bullheads, <i>Ictalurus melas</i> | 184 |
| HIGHTOWER, JAMES A. The cell cycle of the neutrophilic granulocyte in a urodele amphibian | 86 |
| HILLMAN, PETER E. (see Pough, F. Harvey) | |
| HOWELL, W. MIKE (see Black, Ann) | |
| HUBBS, CARL L., AND ROBERT RUSH MILLER. <i>Notropis panarctus</i> , n. sp., and <i>N. proserpinus</i> , cyprinid fishes of subgenus <i>Cyprinella</i> , each inhabiting a discrete section of the Rio Grande complex | 582 |
| HUBBS, CLARK (see Thompson, Kenneth W.) | |
| HUEY, RAYMOND B. (see Pianka, Eric R.) | |
| HUTCHISON, VICTOR H. (see Graham, Terry E.) | |

| | |
|--|-----|
| ISKANDAR, DJOKO T. A new species of <i>Barbourula</i> : First record of a discoglossid anuran in Borneo | 564 |
| IVERSON, JOHN B. Distributional problems of the genus <i>Kinosternon</i> in the American southwest | 476 |
| JAEGER, ROBERT G. Plant climbing by salamanders: Periodic availability of plant-dwelling prey | 686 |
| JOHNSON, RICHARD H., AND DONALD R. NELSON. Copulation and possible olfaction-mediated pair formation in two species of carcharhinid sharks | 539 |
| JONES, TAPPLEY H. (see Eisner, Thomas) | |
| JUDD, FRANK W. (see Atkinson, Eduardo) | |
| KAPLAN, ROBERT H., AND MARTHA L. CRUMP. The non-cost of brooding in <i>Ambystoma opacum</i> | 99 |
| KARPLUS, ILAN. A feeding association between the grouper <i>Epinephelus fasciatus</i> and the moray eel <i>Gymnothorax griseus</i> | 164 |
| KELLY, D. L. (see Putnam, J. L.) | |
| KING, WILLIAM W. (see Congdon, Justin D.) | |
| KINGTON, DOLORES IRENE. <i>Shiffia francesae</i> , a new species of goodeid fish from western Mexico | 503 |
| KLICKA, JOHN (see Cyrus, Rodney V.) | |
| KNEIB, R. T. Habitat, diet, reproduction and growth of the spotfin killifish, <i>Fundulus luciae</i> , from a North Carolina salt marsh | 164 |
| KORKY, JOHN K. Differentiation of the larvae of members of the <i>Rana pipiens</i> complex in Nebraska | 455 |
| KRAMER, DONALD L. Terrestrial group spawning of <i>Brycon petrosus</i> (Pisces: Characidae) in Panama | 536 |
| KRATT, L. F., AND R. J. F. SMITH. Breeding tubercles occur on male and female arctic grayling (<i>Thymallus arcticus</i>) | 185 |
| KUPRIYANOVA, L. A. (see Darevsky, I. S.) | |
| KYNARD, BOYD E. Nest desertion of male <i>Gasterosteus aculeatus</i> | 702 |
| LARSON, RALPH J. (see Love, Milton S.) | |
| LESSWELL, JAMES L. (see Guest, W. Clell) | |
| LEGLER, JOHN M. (see Eisner, Thomas) | |
| LEWIS, MICHAEL A. Notes on the natural history of the longfin dace, <i>Agosia chrysogaster</i> , in a desert rheocene | 703 |
| LIAT, LIM BOO (see Voris, Harold K.) | |
| LOVE, MILTON S., AND RALPH J. LARSON. Geographic variation in the occurrence of tympanic spines and possible genetic differentiation in the kelp rockfish (<i>Sebastes atrovirens</i>) | 53 |
| LYNCH, JOHN D. A new eleutherodactyline frog from the Andes of northern Colombia (Leptodactylidae) | 17 |
| MACAVOY, E. S. (see Pollock, M.) | |
| MAHMOUD, I. Y. (see Cyrus, Rodney V.) | |
| MAIORANA, VIRGINIA C. Behavior of an unobservable species: Diet selection by a salamander | 664 |
| MAPLE, WILLIAM T. (see Ott, Lowell P.) | |
| MARKLE, DOUGLAS F., AND GEORGE R. SEDBERRY. A second specimen of the deep-sea fish, <i>Pachycara obesa</i> , with a discussion of its classification and a checklist of other Zoarcidae off Virginia | 22 |
| MARTIN, CHESTER O. (see MacEachran, John D.) | |
| MCALLISTER, DON E. (see Andriashev, A. P.) | |
| MCCOSKER, JOHN E. Synonymy and distribution of <i>Callopleksiops</i> (Pisces: Plesiopidae) | 707 |
| MCEACHRAN, JOHN D., AND CHESTER O. MARTIN. Interrelationships and subgeneric classification of <i>Raja erinacea</i> and <i>R. ocellata</i> based on claspers, neurocrania and pelvic girdles (Pisces: Rajidae) | 593 |
| MCGAVIN, MAUREEN. Recognition of conspecific odors by the salamander <i>Plethodon cinereus</i> | 356 |
| MCGILL, MANLEY (see Cannon, M. S.) | |
| McKAYE, KENNETH R. (see Davitz, Michael A.) | |
| MEAD, JIM I. (see Van Devender, Thomas R.) | |
| MEDEM, FEDERICO (see Rhodin, Anders G. J.) | |
| MEINWALD, JERROLD (see Eisner, Thomas) | |
| MIGLARESE, JOHN V. (see Bishop, James M.) | |
| MILLER, ROBERT RUSH (see Hubbs, Carl L.) | |
| MINTON, JR., SHERMAN A. Serological relationships of some Philippine sea snakes | 151 |
| MISTANO, DAVID A. Description of laboratory-reared larvae of the buffalo sculpin, <i>Enophrys bison</i> (Pisces: Cottidae) | 635 |
| MITCHELL, JOSEPH C., AND M. J. FOUQUETTE, JR. A gynandromorphic whiptail lizard, <i>Cnemidophorus inornatus</i> , from Arizona | 156 |
| MITTERMEIER, RUSSELL A. (see Rhodin, Anders G. J.) | |

| | |
|--|-----|
| MOK, HIN-KIU. Scale-feeding in <i>Tydemania navigatoris</i> (Pisces: Triacanthodidae) | 338 |
| MONTGOMERY, G. GENE, AND A. STANLEY RAND. Movements, body temperature and hunting strategy of a <i>Boa constrictor</i> | 532 |
| MOORE, FRANK L. Effects of progesterone on sexual attractivity in female rough-skinned newts, <i>Taricha granulosa</i> | 530 |
| MOORE, ROBERT GUY. Seasonal and daily activity patterns and thermoregulation in the southwestern speckled rattlesnake (<i>Crotalus mitchelli pyrrhus</i>) and the Colorado desert sidewinder (<i>Crotalus cerastes laterorepens</i>) | 439 |
| MORAFKA, DAVID J. (see Pough, F. Harvey) | |
| MOYLE, PETER B. (see Daniels, Robert A.) | |
| NAFFAKTITIS, BASIL G., AND JOHN R. PAXTON. <i>Idiolychnus</i> , a new genus of Myctophidae based on <i>Diaphus urolampus</i> | 492 |
| NAGY, KENNETH A. (see Congdon, Justin D.) | |
| NAKAMURA, IZUMI, AND SHEJI NAKANO. Dispersal of the shortbill spearfish, <i>Tetrapturus angustirostris</i> , to the Atlantic Ocean | 330 |
| NAKANO, SHEJI (see Nakamura, Izumi) | |
| NELSON, DONALD R. (see Johnson, Richard H.) | |
| NILSON, G., AND C. ANDREN. A new species of <i>Ophiomorus</i> (Sauria: Scincidae) from Kavir Desert, Iran | 559 |
| NISHIOKA, M. (see Bachmann, K.) | |
| NOWAK, ROBERT T., AND EDMUND D. BRODIE, JR. Rib penetration and associated anti-predator adaptations in the salamander <i>Pleurodeles walli</i> (Salamandridae) | 424 |
| O'CONNOR, JOSEPH M. (see Rachlin, Joseph W.) | |
| ORR, LOWELL P., AND WILLIAM T. MAPLE. Competition avoidance mechanisms in salamander larvae of the genus <i>Desmognathus</i> | 679 |
| OSGOOD, DONALD WILLIAM. Effects of temperature on the development of meristic characters in <i>Natrix fasciata</i> | 33 |
| OTTO, ROBERT G. (see Sidell, Bruce D.) | |
| PAGE, LAWRENCE M. Redescription, distribution, variation and life history notes on <i>Percina macrocephala</i> (Percidae) | 655 |
| PAGE, LAWRENCE M., AND DOUGLAS W. SCHEMSKE. The effect of interspecific competition on the distribution and size of darters of the subgenus <i>Catonotus</i> (Percidae: <i>Etheostoma</i>) | 406 |
| PAINE, R. T., AND A. R. PALMER. <i>Sicyases sanguineus</i> : A unique trophic generalist from the Chilean intertidal zone | 75 |
| PALMER, A. R. (see Paine, R. T.) | |
| PATTERSON, KAREN K. Life history aspects of paedogenic populations of the mole salamander, <i>Ambystoma talpoideum</i> | 649 |
| PAULSON, ALAN C. On the commensal habits of <i>Ptereleotris</i> , <i>Acanthurus</i> and <i>Zebrasoma</i> with fossorial <i>Valenciennae</i> and <i>Amblygobius</i> | 168 |
| PAXTON, JOHN R. (see Naffaktitis, Basil G.) | |
| PIANKA, ERIC R., AND RAYMOND B. HUEY. Comparative ecology, resource utilization and niche segregation among gekkonid lizards in the southern Kalahari | 691 |
| PIAVIS, GEORGE W., AND MICHAEL G. PIAVIS. Implantation of an abdominal window in the sea lamprey, <i>Petromyzon marinus</i> (Pisces: Petromyzontidae) | 349 |
| PIAVIS, MICHAEL G. (see Pivavis, George W.) | |
| PIETSCH, THEODORE W. The feeding mechanism of <i>Stylephorus chordatus</i> (Teleostei: Lampridiformes): Functional and ecological implications | 255 |
| PIETSCH, THEODORE W. Evolutionary relationships of the sea moths (Teleostei: Pegasidae) with a classification of gasterosteiform families | 517 |
| PIETSCH, THEODORE W. (see Grobecker, David B.) (see Seigel, Jeffrey A.) | |
| POLLOCK, M., AND E. S. MACAVOY. Morphological and metabolic changes in muscles of hibernating lizards | 412 |
| POUGH, F. HARVEY. Ontogenetic changes in endurance in water snakes (<i>Natrix sipedon</i>): Physiological correlates and ecological consequences | 69 |
| POUGH, F. HARVEY, DAVID J. MORAFKA AND PETER E. HILLMAN. The ecology and burrowing behavior of the Chihuahuan fringe-footed lizard, <i>Uma exsul</i> | 81 |
| POWDERS, VERNON N. Observations on oviposition and natural incubation of eggs of the alligator snapping turtle, <i>Macrochelys temminckii</i> , in Georgia | 154 |
| POWERS, DENNIS A. (see Sidell, Bruce D.) | |
| POWLES, HOWARD, AND WARREN E. BURGESS. Observations on benthic larvae of <i>Pareques</i> (Pisces: Sciaenidae) from Florida and Colombia | 169 |
| PUTNAM, J. L., AND D. L. KELLY. A new interpretation of interatrial septation in the lungless salamander, <i>Plethodon glutinosus</i> | 251 |
| QADRI, S. V. (see Coad, Brian W.) | |
| QUINN, THOMAS, GERALD W. ESCH, TERRY C. HAZEN AND J. WHITFIELD GIBBONS. Long range movement and homing by largemouth bass (<i>Micropterus salmoides</i>) in a thermally altered reservoir | 542 |
| RACHLIN, JOSEPH W., ANDREW P. BECK AND JOSEPH M. O'CONNOR. Karyotypic analysis of the Hudson River striped bass, <i>Morone saxatilis</i> | 343 |
| RADTKE, RICHARD L. Aberrant sagittae from larval striped bass, <i>Morone saxatilis</i> | 712 |
| RAND, A. STANLEY (see Montgomery, G. Gene) | |

| | |
|--|-----|
| RASCHI, WILLIAM. Notes on the gross functional morphology of the ampullary system in two similar species of skates, <i>Raja erinacea</i> and <i>R. ocellata</i> | 48 |
| REED, ROGER J. (see Ross, Michael R.) | |
| RHODIN, ANDERS G. J., RUSSELL A. MITTERMEIER, ALFRED L. GARDNER AND FEDERICO MEDEM. Karyotypic analysis of the <i>Podocnemis</i> turtles | 723 |
| ROBISON, HENRY W., AND JOHN L. HARRIS. Notes on the habitat and zoogeography of <i>Noturus taylori</i> (Pisces: Ictaluridae) | 548 |
| ROSS, J. P. (see Stancyk, S. E.) | |
| ROSS, MICHAEL R., AND ROGER J. REED. The reproductive behavior of the fallfish <i>Semotilus corporalis</i> | 215 |
| ROSS, ROBERT M. Reproductive behavior of the anemonefish <i>Amphiprion melanopus</i> on Guam | 103 |
| RUBY, DOUGLAS E. Seasonal changes in the territorial behavior of the iguanid lizard <i>Sceloporus jarrovi</i> | 431 |
| RUSSELL, ANTHONY P. The status of the lizard genera <i>Blaesodactylus</i> Boettger and <i>Homopholis</i> Boulenger (Reptilia: Gekkonidae) | 25 |
| RUTHERFORD, KIM (see Werner, Henry James) | |
| SAVAGE, JAY M., AND JAMES J. TALBOT. The giant anoline lizards of Costa Rica and western Panama | 480 |
| SCHALL, JOSEPH J. Reproductive strategies in sympatric whiptail lizards (<i>Cnemidophorus</i>): Two parthenogenetic and three bisexual species | 108 |
| SCHEMSKE, DOUGLAS W. (see Page, Lawrence M.) | |
| SCHOENER, AMY (see Schoener, Thomas W.) | |
| SCHOENER, THOMAS W., AND AMY SCHOENER. Estimating and interpreting body-size growth in some <i>Anolis</i> lizards | 390 |
| SEDBERRY, GEORGE R. (see Markle, Douglas F.) | |
| SEIGEL, JEFFREY ALAN. Revision of the dalatiid shark genus <i>Squaliolus</i> : Anatomy, systematics, ecology | 602 |
| SEIGEL, JEFFREY A., AND THEODORE W. PIETSCH. A new species of the ceratioid anglerfish genus <i>Oncirodes</i> (Pisces: Lophiiformes) from the Indo-West Pacific | 11 |
| SEMLITSCH, RAYMOND D., AND J. WHITFIELD GIBBONS. Reproductive allocation in the brown water snake, <i>Natrix taxispilota</i> | 721 |
| SHAFFER, H. BRADLEY. Relative predation pressure on salamanders (Caudata: Plethodontidae) along an altitudinal transect in Guatemala | 268 |
| SHELTON, WILLIAM L. Fate of the follicular epithelium in <i>Dorosoma petenense</i> (Pisces: Clupeidae) | 237 |
| SIDELL, BRUCE D., ROBERT G. OTTO AND DENNIS A. POWERS. A biochemical method for distinction of striped bass and white perch larvae | 340 |
| SMITH, MICHAEL H. (see Felley, James D.) | |
| SMITH, R. J. F. (see Kratt, L. F.) | |
| SPOTILA, JAMES R. (see Foley, Robert E.) (see Terpin, Kenneth M.) | |
| STANCYK, S. E., AND J. P. ROSS. An analysis of sand from green turtle nesting beaches on Ascension Island | 93 |
| STARNES, LYNN B. (see Starnes, Wayne C.) | |
| STARNES, WAYNE C., AND LYNN B. STARNES. A new cyprinid of the genus <i>Phoxinus</i> endemic to the upper Cumberland River drainage | 508 |
| STEARNS, S. C. Interpopulational differences in reproductive traits of <i>Neoheterandria tridentiger</i> (Pisces: Poeciliidae) in Panama | 188 |
| STEIN, DAVID L. <i>Liparoides beauchampi</i> not a cyclopterid but probably a cottid | 377 |
| STEINWASCHER, KURT. The effect of coprophagy on the growth of <i>Rana catesbeiana</i> tadpoles | 190 |
| STICKEL, LUCILLE F. Changes in a box turtle population during three decades | 221 |
| TALBOT, JAMES J. (see Savage, Jay M.) | |
| TERPIN, KENNETH M., PETER DODSON AND JAMES R. SPOTILA. Observations on ketamine hydrochloride as an anaesthetic for alligators | 147 |
| THOMAS, RICHARD (see Werner, Henry James) | |
| THOMPSON, KENNETH W., CLARK HUBBS AND ROBERT J. EDWARDS. Comparative chromosome morphology of the blackbasses | 172 |
| THRESHER, RONALD E., AND ANN M. GRONELL. Subcutaneous tagging of small reef fishes | 352 |
| TRUEB, LINDA, AND WILLIAM E. DUELLMAN. An extraordinary new casque-headed marsupial frog (Hylidae: <i>Gastrotheca</i>) | 498 |
| TRUESDALE, FRANK M. (see Fruge, Douglas J.) | |
| ULTSCH, GORDON R. Oxygen consumption as a function of pH in three species of freshwater fishes | 272 |
| VAGVOLGYI, ALICE E. (see Vagvolgyi, Joseph) | |
| VAGVOLGYI, JOSEPH, AND ALICE E. VAGVOLGYI. Feeding habits of the Galápagos land iguana | 162 |
| VAN DEVENDER, THOMAS R., AND JIM I. MEAD. Early Holocene and late Pleistocene amphibians and reptiles in Sonoran desert packrat middens | 464 |
| VAN MIEROP, L. H. S., AND SUSAN M. BARNARD. Further observations on thermoregulation in the brooding female <i>Python molurus bivittatus</i> (Serpentes: Boidae) | 615 |
| VORIS, HAROLD K., HELEN H. VORIS AND LIM BOO LIAT. The food and feeding behavior of a marine snake, <i>Enhydrina schistosa</i> (Hydrophiidae) | 134 |

| | |
|--|-----|
| VORIS, HELEN H. (see Voris, Harold K.) | |
| WALLACE, RICHARD L., AND KENT W. BALL. Landlocked parasitic Pacific lamprey in Dworshak reservoir, Idaho | 545 |
| WEBER, ERNST. Distress calls of <i>Bufo calamita</i> and <i>B. viridis</i> (Amphibia: Anura) | 354 |
| WERNER, HENRY JAMES, KIM RUTHERFORD, RICHARD THOMAS AND KATHY COSENTINO. Light and electron microscope aspects of the epithelium of the small intestine of the snake, <i>Typhlops pusilla</i> | 718 |
| WHETSTONE, KENNETH N. Additional record of the fossil snapping turtle <i>Macrolemys schmidtii</i> from the Marsland formation (Miocene) of Nebraska with notes on interspecific skull variation within the genus <i>Macrolemys</i> | 159 |
| WISEMAN, E. DAVID, ANTHONY A. ECHELLE AND ALICE F. ECHELLE. Electrophoretic evidence for subspecific differentiation and intergradation in <i>Etheostoma spectabile</i> (Teleostei: Percidae) | 320 |
| WITTEN, GEOFFREY J., AND HAROLD HEATWOLE. Preferred temperature of the agamid lizard <i>Amphibolurus nobbi nobbi</i> | 362 |

545
354

718

159

320

362